

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

Claim 1. (Previously amended) A method for manufacturing a foam-molded article by molding between molds a parison with a foam layer formed by extruding an expandable molten resin composition, obtained by melt-kneading a polyethylene resin and a physical foaming agent, to an area of low pressure from a die, wherein the polyethylene resin is selected from at least any of the following I), II), and III), and wherein the apparent density of the foam layer in the foam-molded article is about 0.04 to 0.3 g/cm<sup>3</sup>;

I) a resin comprising 40 to 85 wt% polyethylene (A) with a density that is more than 0.94 g/cm<sup>3</sup> and not more than 0.97 g/cm<sup>3</sup>, and a melt flow rate of 0.1 to 20 g/10 minutes; and 15 to 60 wt% polyethylene (B) with a density of 0.89 to 0.94 g/cm<sup>3</sup>, a melt flow rate of 0.2 to 20 g/10 minutes, and a melt tension of not less than 2 cN (provided that the total of polyethylene (A) and (B) is 100 wt%),

II) a resin which has at least one endothermic peak having a top temperature of not less than 125°C on a DSC curve obtained by differential scanning calorimetry, and in which the ratio of the heat quantity of the endothermic peak(s) at not less than 125°C with respect to the total heat quantity of the endothermic peak(s) is 50 to 95%, melt flow rate is 0.2 to 25 g/10 minutes,

and melt tension is not less than 1.5 cN,

III) a resin which comprises 40 to 85 wt% polyethylene (A) having a density more than 0.94 g/cm<sup>3</sup> and not more than 0.97 g/cm<sup>3</sup>, and a melt flow rate of 0.1 to 20 g/10 minutes; and 15 to 60 wt% polyethylene (B) having a density of 0.89 to 0.94 g/cm<sup>3</sup>, a melt flow rate of 0.2 to 20 g/10 minutes, and a melt tension of not less than 2 cN (provided that the total of polyethylene (A) and (B) is 100 wt%); which has at least one endothermic peak having a top temperature of not less than 125°C on a DSC curve obtained by differential scanning calorimetry; and in which the ratio of the heat quantity of the endothermic peak(s) at not less than 125°C with respect to the total heat quantity of the endothermic peak(s) is 50 to 95%, melt flow rate is 0.2 to 25 g/10 minutes, and melt tension is not less than 1.5 cN.

Claim 2. (Original) The method for manufacturing a foam-molded article according to claim 1, wherein the physical foaming agent contains 50 to 100 mol% of carbon dioxide.

Claim 3. (Original) The method for manufacturing a foam-molded article according to claim 1, wherein the parison is a multilayer parison having a thermoplastic resin layer on the inside and/or on the outside of the foam layer.

Claim 4. (Cancelled).

Claim 5. (Cancelled).

Claim 6. (Cancelled).

Claim 7. (Cancelled).

Claim 8. (Cancelled).

Claim 9. (Cancelled).

Claim 10. (Cancelled).

Claim 11. (Cancelled).

Claim 12. (Cancelled).

Claim 13. (Cancelled).

Claim 14. (Cancelled).

Claim 15. (New) The method for manufacturing a foam-molded article according to claim 1, wherein the foam layer in the foam-molded article has a thickness of 2 to 25 mm.

Claim 16. (New) The method for manufacturing a foam-molded article according to claim 1, wherein the closed cell ration of the foam layer in the foam-molded article is not less than 70%.

Claim 17. (New) The method for manufacturing a foam-molded article according to claim 1, wherein the average cell diameter of the foam layer in the foam-molded article is 0.1 to 5 mm.